

SEQUENCE LISTING

<110> Vlaams Interuniversitair Instituut voor Biotechnol

<120> Novel internal ribosome entry site, vector containing same a
nd the uses thereof

<130> 2676-4976US

<150> 99200216.2

<151> 1999-01-26

<160> 51

<170> PatentIn version 3.1

<210> 1

<211> 222

<212> DNA

<213> Homo sapiens

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120

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<211> 222

<212> RNA

<213> Homo sapiens

<400> 2

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gaagaaucag aggaggaaga ggaagaggag gaggaggaga ccggcagcaa cucugaggag

180

gcaucagagc agucugccga agaaguaagu gaggaagaaa ug
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<210> 3
<211> 2471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (906)..(1128)
<223> The IRES-activity containing sequence

<220>
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<222> (1)..(2471)
<223> PITSLRE protein kinase (p110pitslre) (isoform alfa2-2)

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120

gaaaaggact cttggaaagt gaaaacttta gatgaaattc ttcaggaaaa gaaacgaagg
180

aaggaacaag aggagaaagc agagataaaaa cgcttaaaaa attctgatga ccgggattcc
240

aagcgggatt cccttgagga gggggagctg agagatcact gcatggagat cacaataagg
300

aactccccgt atagaagaga agactctatg gaagacagag gagaagaaga tgattcttg
360

gccatcaaac cacccagca aatgtctcg aaagaaaaag ttcatcacag aaaagatgaa
420

aagagaaaaag agaaaaagca tgctagagtg aagaagaaag aaagagagca cgaacgtcgg
480

aaacgacatc gagaagaaca ggataaaagct cgccggaaat gggaaagaca gaagagaagg
540

gaaatggcaa gggagcattc caggagagaa agggggaaatg atggcgtgtg cctcttcagg
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gaccgcttgg agcagttaga aaggaagcgg gagcgggagc gcaagatgcg ggagcagcag
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1020

accagtgaag aatcagagga ggaagaggaa gaggaggagg aggagaccgg cagcaactct
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1260

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1320

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1380

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1440

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1500

tcgctgaggg agatcaacac catcctcaag gcccagcatc ccaacatcg caccgttaga
1560

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1800

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1980

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2040

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2100

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2220

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2280

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2340

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2460

ccgtcatggg g
2471

<210> 4
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<212> DNA
<213> Homo sapiens

<400> 4
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<210> 5
<211> 468
<212> DNA
<213> Homo sapiens

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120

tgcctttca gggaccgtt ggagcagtta gaaaggaagc gggagcggga ggcgaagatg
180

cgggagcagc agaaggagca gcgggagcag aaggagcgcg agcggcgggc ggaggagcgg
240

cgcaaggagc gggaggcccg cagggaaatgc tctgcacatc accgaacgtt gagagaggac
300

tacagcgaca aagtgaaagc cagccactgg agtcgcagcc cgcctcgcc gcccggggag
360

cggttcgagt tgggagacgg ccggaagcca gtaaaagaag agaaaatgga agaaaggac
420

ctgctgtccg acttacagga catcagcgac agcgagagga agaccagc
468

<210> 6
<211> 660
<212> DNA
<213> Homo sapiens

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120
tgcctttca gggaccgctt ggagcagtta gaaaggaagc gggagcggga gcgcaagatg
180
cgggagcagc agaaggagca gcgggagcag aaggagcgcg agcggcggc ggaggagcgg
240
cgcaaggagc gggaggcccg cagggaaatgc tctgcacatc accgaacgtt gagagaggac
300
tacagcgaca aagtgaaagc cagccactgg agtcgcagcc cgcctcgcc gccgcggag
360
cggttcgagt tggagacgg ccggaagcca gtaaaagaag agaaaatgga agaaaggac
420
ctgctgtccg acttacagga catcagcgac agcgagagga agaccagctc ggccgagtcc
480
tcgtcagcag aatcaggctc aggttctgag gaagaagagg aggaggagga agaggaggag
540
gaggaagggg gacccagtga agaatcagag gaggaagagg aagaggagga ggaggagacc
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<210> 7
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer

<400> 7
tgctctagag gaattcgaag tgacgatact tttggcgc
38

<210> 8
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer

<400> 8
tgctctagac caagcttcac gtccatcaag ccgacacctag aa
42

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> in frame NotI

<400> 9
agcctcaagt tcgcggccgc agagtggacc
30

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 10
gaggaagaag cgagtgaaga t
21

<210> 11
<211> 22
<212> DNA
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<220>
<223> primer

<400> 11
gacagcgaga aagaccagct cg
22

<210> 12
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> 5'-end primer

<400> 12
ctagtctaga aaagtgaaaa ctttagatga aattc
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<210> 13
<211> 34
<212> DNA
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<400> 13
tgcatgccat ggatgtcggtt tccgacgttc gtgc
34

<210> 14
<211> 35
<212> DNA
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<220>
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<400> 14
tgcatgccat ggtcctctct catcggttcgg tgatg
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<210> 15
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> 5'-end primer

<400> 15
gcacgaacgt cgaaaaacgac atctagacta g
31

<210> 16
<211> 35
<212> DNA
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<220>
<223> 5'-end primer antisense

<400> 16
catgccatgg tcttcctctc gctgtcgctg atgtc
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<210> 17
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> 5'-end primer sense

<400> 17
ctagtctaga catcacccgaa ccatgagaga gg
32

<210> 18
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> 5'-end primer sense

<400> 18

gacatcagcg acagcgagag gaagaccagg tctagactag
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<210> 19
<211> 26
<212> DNA
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<220>
<223> double-stranded oligonucleotide

<400> 19
cgcggtggcga gattttcagg agtcac
26

<210> 20
<211> 26
<212> DNA
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<220>
<223> double-stranded oligonucleotide

<400> 20
tcgagtgact cctgaaaatc tcgcca
26

<210> 21
<211> 40
<212> DNA
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<220>
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<400> 21
acgcgggttcc agcggatccg gatacggctc cggcgcacct
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<210> 22
<211> 8
<212> RNA
<213> Artificial Sequence

<220>
<223> primer

<400> 22
crccaugg
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<210> 23
<211> 9
<212> RNA
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<220>
<223> primer

<400> 23
cucaaauugg
9

<210> 24
<211> 9
<212> RNA
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<220>
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<400> 24
gggugaua
9

<210> 25
<211> 9
<212> RNA
<213> Artificial Sequence

<220>
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<400> 25
uuuagaua
9

<210> 26

<211> 9
<212> RNA
<213> Artificial Sequence

<220>
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<400> 26
uucugauga
9

<210> 27
<211> 9
<212> RNA
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<400> 27
acugcaugg
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<210> 28
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<400> 28
acucuaaugg
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<210> 29
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<220>
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<400> 29
agaagauga

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<210> 30
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<400> 30
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<210> 31
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<400> 31
aaaagauga
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<400> 32
aaaggcaugc
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cgggaaugg

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<210> 34

<211> 9

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gggaaaugg

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<212> RNA

<213> Artificial Sequence

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<223> primer

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<211> 9

<212> RNA
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<400> 39
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<210> 41
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<210> 44
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<220>
<223> primer

<400> 44
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21

<210> 45
<211> 22
<212> DNA
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<220>
<223> primer

<400> 45
gacagcgaga aagaccagct cg
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<210> 46
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
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<211> 31
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<400> 47
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<210> 48
<211> 40
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<213> Artificial Sequence

<220>

<223> primer

<400> 48

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<210> 49

<211> 35

<212> DNA

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<220>

<223> primer

<400> 49

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<210> 50

<211> 34

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<211> 33

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33

